

CLAIMS

1. A disk loading apparatus comprising:

a roller for pulling in and ejecting a disk;

5 a disk-pass detecting switch for detecting a pass of the disk when the disk is ejected;

disk discriminating means for discriminating a size of the disk; and

a controller for controlling, in responsive to a discrimination result by said disk discriminating means, an operation time of said roller after the pass of the disk during ejected is detected.

2. The disk loading apparatus according to claim 1, wherein disks having center holes of various sizes are ejected out of said disk loading apparatus by substantially same distances.

15 ~~3. The disk loading apparatus according to claim 1 or 2, wherein the disks are stopped ejecting when the center holes of the disks out of said disk loading apparatus.~~

20 4. The disk loading apparatus according to claim 1, wherein said disk-pass detecting switch is also used for discriminating the size of the disk.

5. The disk loading apparatus according to claim 4, wherein the size of the disk is discriminated based on a period from a time when the disk starts passing
25 over said disk-pass detecting switch to a time when the disk is pulled in.

6. The disk loading apparatus according to claim 4, wherein the size of the

disk is discriminated based on a period from a time when the disk starts to be ejected to a time when said disk-pass detecting switch detects a pass of the disk.

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